

Emission Summary

Permit No. 969491P

Source Status: New ☐ Modification ☒ Expansion ☐ Relocation ☐ Permit Status: New ☒ Renewal ☐
 PSD ☐ NSPS ☐ NESHAPS ☐ Previous Permit No.: Construction 968990P Operating ☐

	Pounds/Hour			Tons/Year				Date Data	*	Applicable Standard 1200-03-
	Actual	Potential	Allowable	Actual	Potential	Allowable	Net Change			
*TSP	0.02	0.2	0.2	0.015	0.88	0.88		08/15/14		07-.04(1)
SO ₂										
CO										
VOC										
NO _x										

* Source of data: Construction permit application dated 07-15-2014 and 11-24-14.

$41.73 - 0.02 = 41.71$ lbs/hr fugitive

$41.7 \text{ lbs/hr} \times 1520 \text{ hrs/yr} / 2000 \text{ lb/tons} = 3.2 \text{ tons/year}$, $3.2 \text{ tons/year} \times 4.38 = 182.6 \text{ tons/year}$

Each Silo $0.02 \text{ gr/dscf} \times 530 \text{ ft}^3/\text{min} \times 60 \text{ m/hr} \times 1 \text{ lb}/7000 \text{ gr} = 0.1 \times 2 = 0.2 \text{ lb/hr}$ for both silos.

$0.02 \times 1520/2000 = 0.015 \text{ Tons/year}$.

ENGINEERING PROGRAM SS DATE December 2, 2014

CONSTRUCTION PERMIT SUMMARY REPORT

Company Name: Phillips & Jordan, Inc. File Number: 45-0161 Source Point Number(s): 01

Permit Number(s): 969491P Environmental Protection Specialist Initials SS

Application Received (date): November 25, 2014 Application Complete (date): November 25, 2014.

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Air Quality Analysis Performed? Yes ☐ No ☒

Briefly describe the project: (new source, modifications) (what the process is) (type controls proposed) (emissions expected, qualitative) (replacing what sources) (background information)

This source is a Temporary portable continuous mix plant for producing Roller Compacted Concrete (RCC) at TVA Cherokee Dam location. This source will consist of a 45 ton cement silo, a 50 ton fly ash silo, and a QSC8.3 diesel engine. Fabric filters are used as control devices for silos.

This permitting action increases the production from 18,000 cubic yards per year to 30,000 cubic yards per year.

Rules Analysis

Title V ☐ Cond. Major Minor ☒ Source category listed in 1200-03-09-.01(4)(b)1.(i)? Yes ☐ No ☒

Reason for PSD: New source above ____ TPY	<input type="checkbox"/>	Sig. increase in ____ emissions	<input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Applicable NSPS: 40 CFR Part 60, Subpart ____	<input type="checkbox"/>	State Rule 1200-03-16-____	<input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Applicable NESHAP: 40 CFR Part 61, Subpart ____	<input type="checkbox"/>	State Rule 1200-03-11-____	<input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
40 CFR Part 63, Subpart ____	<input type="checkbox"/>	State Rule 1200-03-31-____	<input type="checkbox"/>	N/A <input checked="" type="checkbox"/>

Other Applicable State Rules

TSP Emissions: 1200-03-07-.04(1) <input checked="" type="checkbox"/> N/A <input type="checkbox"/>	NO _x Emissions: 1200-03-07-____ <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
SO ₂ Emissions: 1200-03-07-____ <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Lead Emissions 1200-03-____ <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
CO Emissions: 1200-3-07-____ <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Emissions: 1200-03-____ <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
VOC Emissions: 1200-03-07-____ <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Emissions: 1200-03-____ <input type="checkbox"/> N/A <input checked="" type="checkbox"/>

Visible Emissions from the source not to exceed 20 % opacity per Method 9 (Rule 1200-03-05-.01(1) & (Rule 1200-03-05-.03(6))

Comments: _____